Test cases for the game

**Test case1 – to play the game on 3x3 board [here, we check for the pattern diagonally]**

"C:\Program Files\Java\jdk1.8.0\_60\bin\java" -Didea.launcher.port=7534 "-Didea.launcher.bin.path=C:\Program Files (x86)\JetBrains\IntelliJ IDEA 2016.3.5\bin" -Dfile.encoding=UTF-8 -classpath "C:\Program Files\Java\jdk1.8.0\_60\jre\lib\charsets.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\deploy.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\access-bridge-64.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\cldrdata.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\dnsns.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\jaccess.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\jfxrt.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\localedata.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\nashorn.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunec.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunjce\_provider.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunmscapi.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunpkcs11.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\zipfs.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\javaws.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jce.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jfr.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jfxswt.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jsse.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\management-agent.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\plugin.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\resources.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\rt.jar;C:\Users\Aditya\IdeaProjects\TicTacToe\out\production\TicTacToe;C:\Program Files (x86)\JetBrains\IntelliJ IDEA 2016.3.5\lib\idea\_rt.jar" com.intellij.rt.execution.application.AppMain TicTacToe

Enter the size of the TicTacToe Board

3

Do you want to retrieve the saved game ???

NO - 0

YES - 1

0

please enter the position

0

0

X | |

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| |

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| |

-----------------------------------------------------------------------

X | | O

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| |

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| |

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Do you want to save the game ???

NO - 0

YES - 1

0

please enter the position

1

1

X | | O

---------------------------------------

| X |

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| |

-----------------------------------------------------------------------

X | | O

---------------------------------------

| X |

---------------------------------------

O | |

-----------------------------------------------------------------------

please enter the position

0

2

this cell is already occupied,please select some other cell.

please enter the position

2

2

X | | O

---------------------------------------

| X |

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O | | X

-----------------------------------------------------------------------

X | O | O

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| X |

---------------------------------------

O | | X

-----------------------------------------------------------------------

player 1 has won !!!

Process finished with exit code 0

**Test case2 – to play the game on 6x6 board[range can be between 1 to 10] [here, we check for the pattern horizontally]**

"C:\Program Files\Java\jdk1.8.0\_60\bin\java" -Didea.launcher.port=7536 "-Didea.launcher.bin.path=C:\Program Files (x86)\JetBrains\IntelliJ IDEA 2016.3.5\bin" -Dfile.encoding=UTF-8 -classpath "C:\Program Files\Java\jdk1.8.0\_60\jre\lib\charsets.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\deploy.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\access-bridge-64.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\cldrdata.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\dnsns.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\jaccess.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\jfxrt.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\localedata.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\nashorn.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunec.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunjce\_provider.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunmscapi.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunpkcs11.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\zipfs.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\javaws.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jce.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jfr.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jfxswt.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jsse.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\management-agent.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\plugin.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\resources.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\rt.jar;C:\Users\Aditya\IdeaProjects\TicTacToe\out\production\TicTacToe;C:\Program Files (x86)\JetBrains\IntelliJ IDEA 2016.3.5\lib\idea\_rt.jar" com.intellij.rt.execution.application.AppMain TicTacToe

Enter the size of the TicTacToe Board

6

Do you want to retrieve the saved game ???

NO - 0

YES - 1

0

please enter the position

0

0

X | | | | |

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X | | | | |

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| | O | | |

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Do you want to save the game ???

NO - 0

YES - 1

0

please enter the position

1

1

X | | | | |

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| X | O | | |

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| | | | |

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| | | | |

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| | | | |

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X | | | | |

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| X | O | | | O

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| | | | |

-----------------------------------------------------------------------

please enter the position

2

2

X | | | | |

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| X | O | | | O

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| | X | | |

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| | | | |

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| | | | |

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| | | | |

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X | | | | |

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| X | O | | | O

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| | X | | |

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| | | | |

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| | | O | |

-----------------------------------------------------------------------

please enter the position

3

3

X | | | | |

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| X | O | | | O

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| | X | | |

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| | | X | |

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| | | | |

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| | | O | |

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X | | | | |

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| X | O | | | O

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| | X | | |

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| | | X | |

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| | | | |

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| | | O | | O

-----------------------------------------------------------------------

Do you want to save the game ???

NO - 0

YES - 1

0

please enter the position

1

0

X | | | | |

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X | X | O | | | O

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| | X | | |

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| | | X | |

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| | | O | | O

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X | | | | |

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X | X | O | | | O

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| | X | O | |

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| | | X | |

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| | | O | | O

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please enter the position

2

0

X | | | | |

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X | X | O | | | O

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X | | X | O | |

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| | | X | |

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| | | | |

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| | | O | | O

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X | | | | |

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X | X | O | | | O

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X | | X | O | |

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| | | X | |

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| | | | |

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| | | O | O | O

-----------------------------------------------------------------------

please enter the position

3

0

X | | | | |

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X | X | O | | | O

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X | | X | O | |

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X | | | X | |

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| | | | |

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| | | O | O | O

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X | | | | |

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X | X | O | O | | O

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X | | X | O | |

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X | | | X | |

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| | | | |

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| | | O | O | O

-----------------------------------------------------------------------

Do you want to save the game ???

NO - 0

YES - 1

0

please enter the position

4

0

X | | | | |

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X | X | O | O | | O

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X | | X | O | |

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X | | | X | |

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X | | | | |

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| | | O | O | O

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X | | | | |

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X | X | O | O | | O

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X | | X | O | |

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X | | | X | |

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X | | | O | |

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| | | O | O | O

-----------------------------------------------------------------------

please enter the position

5

0

X | | | | |

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X | X | O | O | | O

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X | | X | O | |

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X | | | X | |

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X | | | O | |

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X | | | O | O | O

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X | | | | |

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X | X | O | O | | O

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X | | X | O | |

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X | | | X | |

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X | | | O | O |

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X | | | O | O | O

-----------------------------------------------------------------------

player 1 has won !!!

Process finished with exit code 0

**Test case3– to play the game on 8x8 board [here, we check for the pattern vertically]**

"C:\Program Files\Java\jdk1.8.0\_60\bin\java" -Didea.launcher.port=7535 "-Didea.launcher.bin.path=C:\Program Files (x86)\JetBrains\IntelliJ IDEA 2016.3.5\bin" -Dfile.encoding=UTF-8 -classpath "C:\Program Files\Java\jdk1.8.0\_60\jre\lib\charsets.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\deploy.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\access-bridge-64.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\cldrdata.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\dnsns.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\jaccess.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\jfxrt.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\localedata.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\nashorn.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunec.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunjce\_provider.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunmscapi.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunpkcs11.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\zipfs.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\javaws.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jce.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jfr.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jfxswt.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jsse.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\management-agent.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\plugin.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\resources.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\rt.jar;C:\Users\Aditya\IdeaProjects\TicTacToe\out\production\TicTacToe;C:\Program Files (x86)\JetBrains\IntelliJ IDEA 2016.3.5\lib\idea\_rt.jar" com.intellij.rt.execution.application.AppMain TicTacToe

Enter the size of the TicTacToe Board

8

Do you want to retrieve the saved game ???

NO - 0

YES - 1

0

please enter the position

0

3

| | | X | | | |

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| | | X | | | |

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Do you want to save the game ???

NO - 0

YES - 1

0

please enter the position

1

3

| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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O | | | X | | | |

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| | O | | | | |

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please enter the position

2

3

| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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| | O | | | | |

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| | | | | | |

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| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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O | | | | | | |

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| | O | | | | |

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please enter the position

3

3

| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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O | | | X | | | |

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| | O | | | | |

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| | | | | | |

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| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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O | | | X | | | |

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| | O | | | | | O

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| | | | | | |

-----------------------------------------------------------------------

Do you want to save the game ???

NO - 0

YES - 1

0

please enter the position

4

3

| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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| | O | | | | | O

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| | | | | | |

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| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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| | O | | | | | O

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please enter the position

5

3

| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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| | | X | | O | |

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| | O | | | | | O

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| | | | | | |

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| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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| | | X | | O | |

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| | O | | | | | O

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| | O | | | | |

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please enter the position

6

3

| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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| | | X | | O | |

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| | O | X | | | | O

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| | O | | | | |

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| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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| | | X | | O | |

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| | O | X | | | | O

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O | | O | | | | |

-----------------------------------------------------------------------

Do you want to save the game ???

NO - 0

YES - 1

0

please enter the position

7

3

| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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| | | X | | O | |

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| | O | X | | | | O

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O | | O | X | | | |

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| | | X | | | |

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O | | | X | | | |

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| | | X | | | |

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O | | | X | | | |

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| | | X | | | O |

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| | | X | | O | |

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| | O | X | | | | O

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O | | O | X | | | |

-----------------------------------------------------------------------

player 1 has won !!!

Process finished with exit code 0

**Test case4 – to save the game on 5x5 board**

"C:\Program Files\Java\jdk1.8.0\_60\bin\java" -Didea.launcher.port=7542 "-Didea.launcher.bin.path=C:\Program Files (x86)\JetBrains\IntelliJ IDEA 2016.3.5\bin" -Dfile.encoding=UTF-8 -classpath "C:\Program Files\Java\jdk1.8.0\_60\jre\lib\charsets.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\deploy.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\access-bridge-64.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\cldrdata.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\dnsns.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\jaccess.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\jfxrt.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\localedata.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\nashorn.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunec.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunjce\_provider.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunmscapi.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunpkcs11.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\zipfs.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\javaws.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jce.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jfr.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jfxswt.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jsse.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\management-agent.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\plugin.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\resources.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\rt.jar;C:\Users\Aditya\IdeaProjects\TicTacToe\out\production\TicTacToe;C:\Program Files (x86)\JetBrains\IntelliJ IDEA 2016.3.5\lib\idea\_rt.jar" com.intellij.rt.execution.application.AppMain TicTacToe

Enter the size of the TicTacToe Board

5

Do you want to retrieve the saved game ???

NO - 0

YES - 1

0

please enter the position

0

0

X | | | |

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X | | | |

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O | | | |

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| | | |

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Do you want to save the game ???

NO - 0

YES - 1

0

please enter the position

1

1

X | | | |

---------------------------------------

| X | | |

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O | | | |

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| | | |

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| | | |

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X | | | |

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| X | | O |

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O | | | |

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| | | |

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| | | |

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please enter the position

2

2

X | | | |

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| X | | O |

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O | | X | |

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| | | |

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| | | |

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X | | | |

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| X | | O |

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O | | X | |

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| | | |

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O | | | |

-----------------------------------------------------------------------

please enter the position

3

3

X | | | |

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| X | | O |

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O | | X | |

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| | | X |

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O | | | |

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X | | | |

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| X | | O |

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O | | X | |

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| O | | X |

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O | | | |

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Do you want to save the game ???

NO - 0

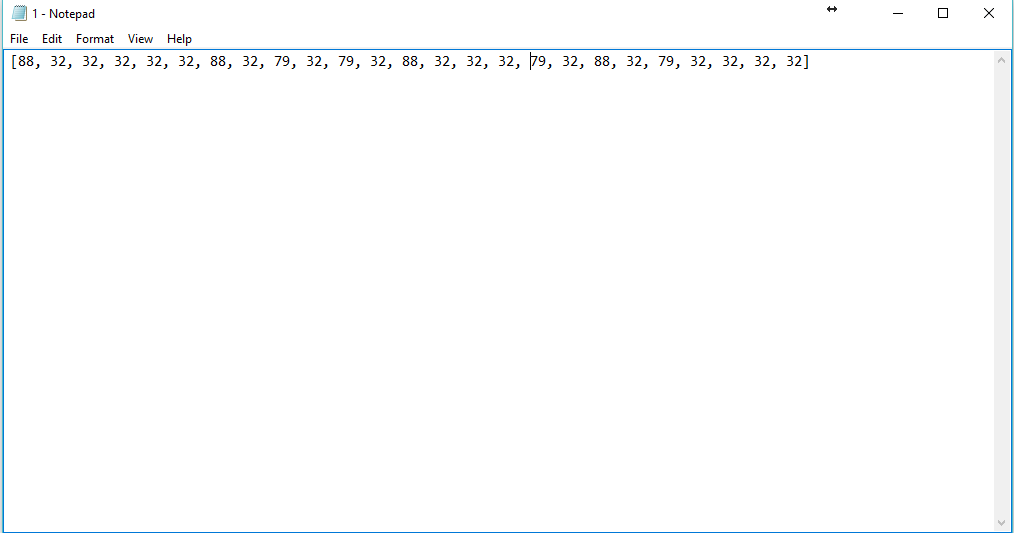
YES - 1

1

The Game is Saved Successfully

Process finished with exit code 0

**This is saved in the given path as an arraylist as follows**



**Test case 5 – to load the game from the above file**

"C:\Program Files\Java\jdk1.8.0\_60\bin\java" -Didea.launcher.port=7544 "-Didea.launcher.bin.path=C:\Program Files (x86)\JetBrains\IntelliJ IDEA 2016.3.5\bin" -Dfile.encoding=UTF-8 -classpath "C:\Program Files\Java\jdk1.8.0\_60\jre\lib\charsets.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\deploy.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\access-bridge-64.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\cldrdata.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\dnsns.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\jaccess.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\jfxrt.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\localedata.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\nashorn.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunec.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunjce\_provider.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunmscapi.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\sunpkcs11.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\ext\zipfs.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\javaws.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jce.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jfr.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jfxswt.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\jsse.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\management-agent.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\plugin.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\resources.jar;C:\Program Files\Java\jdk1.8.0\_60\jre\lib\rt.jar;C:\Users\Aditya\IdeaProjects\TicTacToe\out\production\TicTacToe;C:\Program Files (x86)\JetBrains\IntelliJ IDEA 2016.3.5\lib\idea\_rt.jar" com.intellij.rt.execution.application.AppMain TicTacToe

Enter the size of the TicTacToe Board

5

Do you want to retrieve the saved game ???

NO - 0

YES - 1

1

X | | | |

---------------------------------------

| X | | O |

---------------------------------------

O | | X | |

---------------------------------------

| O | | X |

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O | | | |

-----------------------------------------------------------------------

please enter the position

……………